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ABSTRACT

This report focuses on the nature, use, and challenges of educational technology. The following articles are included: "Technology and Change for the Information Age" (James B. Ellsworth); "Education in a Digital Democracy: Leading the Charge for Learning about, with, and beyond Technology" (Mark David Milliron and Cindy L. Miles); "Toward a Philosophy of Instructional Technology: Thirty Years On" (Donald Ely); "Cognitive Efficiency: Toward a Revised Theory of Media" (Tom Cobb); "Remaking the Academy: 21st-Century Challenges to Higher Education in the Age of Information" (Jorge Klor de Alva); "Muffled Voices: Teachers' Concerns Regarding Technological Change" (Susan C. Fisher and Marianne K. Dove); "New Insights on Technology Adoption in Schools" (Lorraine Sherry and others); "Technology Transfer in Schools: From Research to Innovation" (Rosa Maria Bottino, Paola Forcheri, and Maria Teresa Molfino); "Beyond Technology" (Jamie McKenzie); "Lessons Learned from Teaching with Technology: A Critical Perspective" (Rhonda Taylor Richards); "Technology Professional Development for Teachers" (Lynne Schrum); "Exemplary Technology Use in Elementary Classrooms" (Susan Berg and others); "The Adoption of Microcomputers for Instruction: Implications for Emerging Instructional Media Implementation" (Victor Gbomita); "Ready, Fire, Aim: Toward Meaningful Technology Standards for Educators and Students" (Kyle L. Peck); "Putting the Research To Work: Professional Development Models from Michigan" (Ellen Hoffman and Ginny Thompson); "Professional Competencies" (Ed Coughlin); "Multimedia Learning: Are We Asking the Right Questions?" (Richard E. Mayer); "Teaching, Learning, and the Impact of Multimedia Technologies" (Tony Bates); "Problem Solving, Planning Ability, and Sharing Processes with LOGO" (Ester Kapa); "Implications of Educational Theory for the Design of Instructional Multimedia" (Martyn Wild and Clark Quinn); "Distance Education Research: Messages to the Field" (Gary R. Morrison and Amy B. Adcock); "Distance Education Is a Strategy: What Is the Objective?" (Thomas W. Smith); "Distance

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Education: An Evolving Instructional Technology Application" (Francis Dwyer); "Interaction in Distance Education: The Critical Conversation" (Angie Parker); "Distant, But Not Distanced: A Learner-Centered Approach to Distance Education" (Linda L. Wolcott); "A Taxonomy of Bandwidth: Considerations and Principles To Guide Practice in the Design and Delivery of Distance Education" (David R. Moore and Barbara B. Lockee); "Access Issues in Web Page Design: Easy Steps to Improved Design" (D. Michelle Hinn); "Ten Facts of Life for Distance Learning Courses" (Annette C. Lamb and William L. Smith); "Online Courses: Tips for Making Them Work" (Linda Cooper); and "Framing the Questions of Distance Education Research and Evaluation" (Barbara Lockee and others). Most articles contain references. (MES)

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